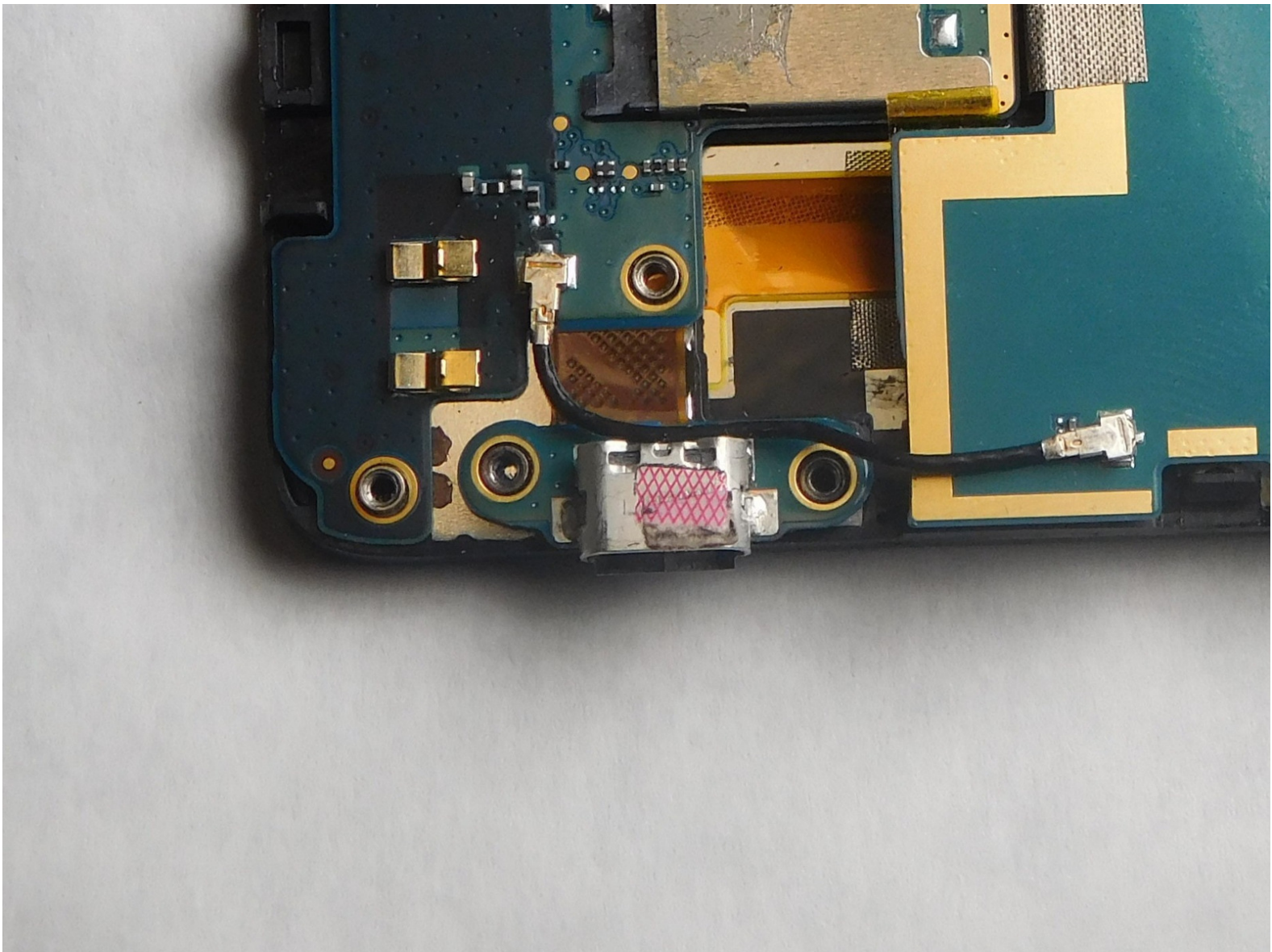




HTC EVO Design 4G Charging Port Replacement

This guide provides instructions on how to access the charging port of an HTC EVO Design 4G in order to replace the component.

Written By: Lilian Nguyen



INTRODUCTION

Replacing this component requires intricacy and caution with moving internal parts and circuitry inside the phone to avoid further damage to the other functionalities. Proceed with caution using a soldering iron used to detach the charging port.



TOOLS:

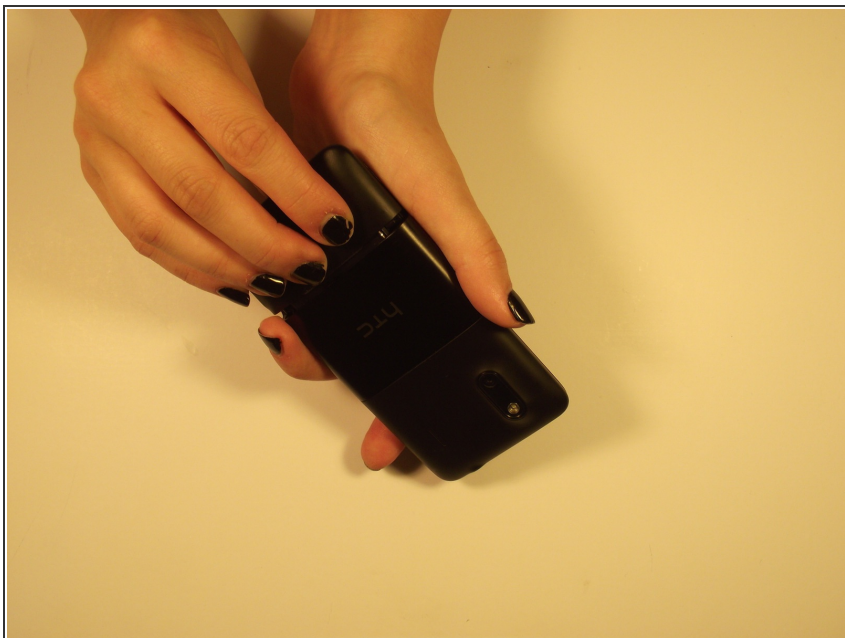
- [Desoldering Braid](#) (1)
 - [Staples](#) (1)
 - [Phillips #000 Screwdriver](#) (1)
 - [T4 Torx Screwdriver](#) (1)
 - [iFixit Opening Tools](#) (1)
 - [Tweezers](#) (1)
 - [Desoldering Pump](#) (1)
 - [Soldering Station](#) (1)
 - [Solder](#) (1)
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Step 1 — Screen



- Tools: Phillips #000 Screwdriver, T4 Torx Screwdriver, Safety Pry Tool (Guitar pick), Tweezers

Step 2 — Removing Casing



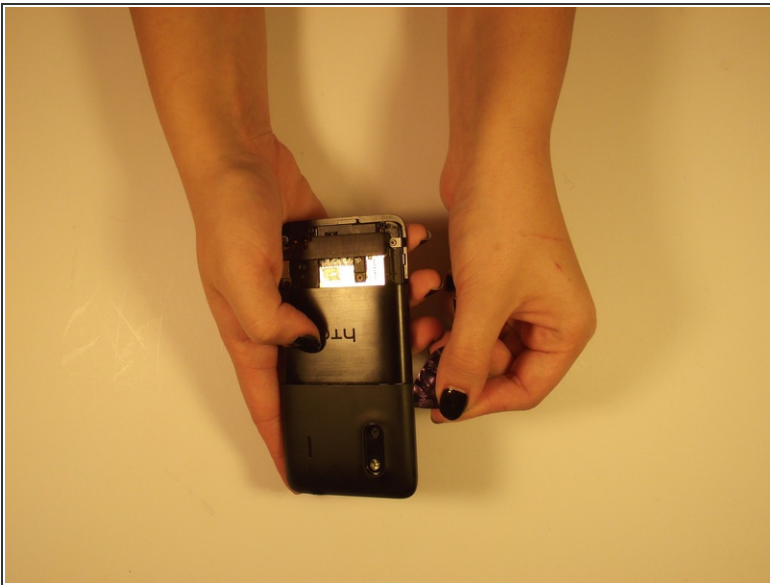
- Use fingers on either end of the button edges of the phone to pull back cover off. It should slide off.

Step 3 — Removing Battery



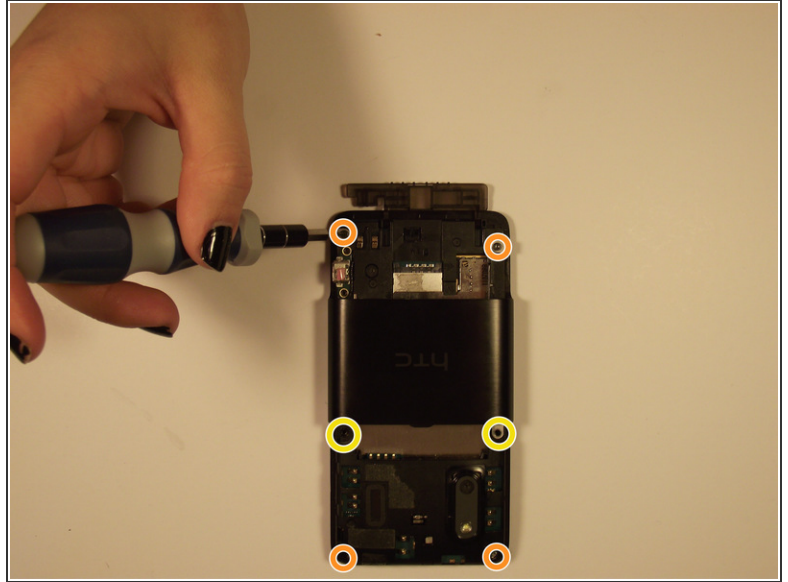
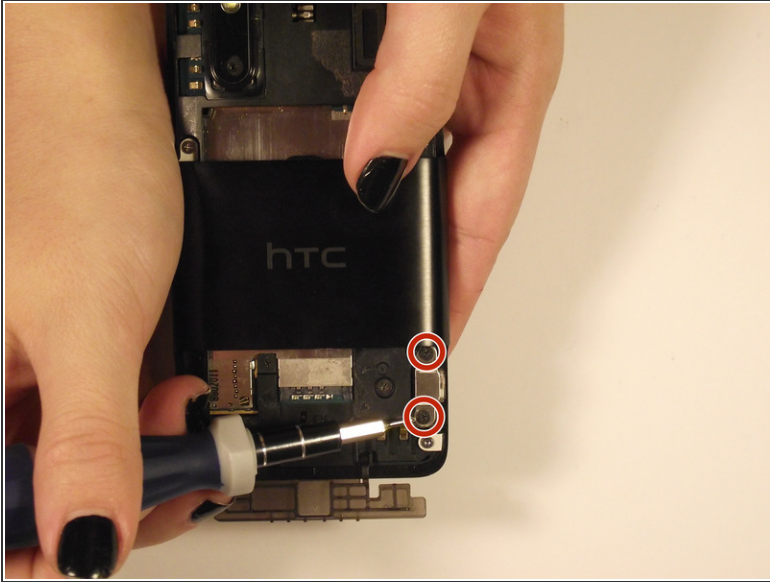
- When open, pull on “Open” tab and it should rotate towards you
- Grab the bottom edge of the battery and pull it toward you

Step 4 — Removing Casing



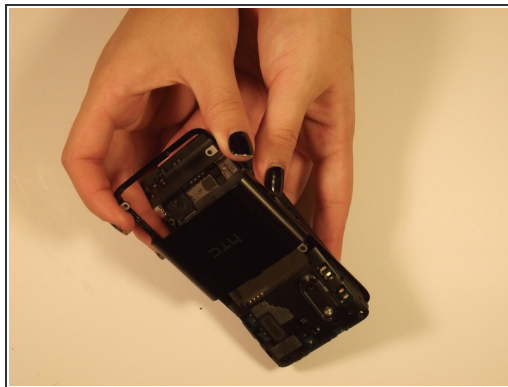
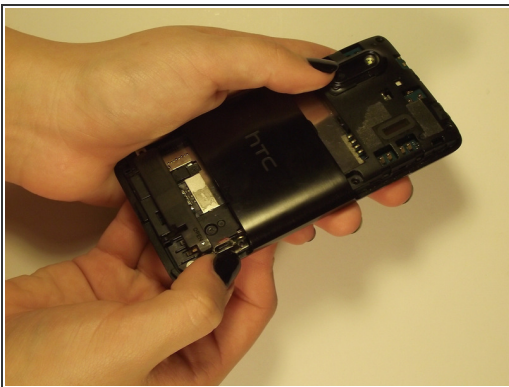
- On the side of the top casing on the phone there should be a slot. Use your safety pry tool (guitar pick) pry around the perimeter of the casing to remove it
- Info*: The adhesive tape that you may find will not be necessary for replacement later

Step 5 — Removing Screws



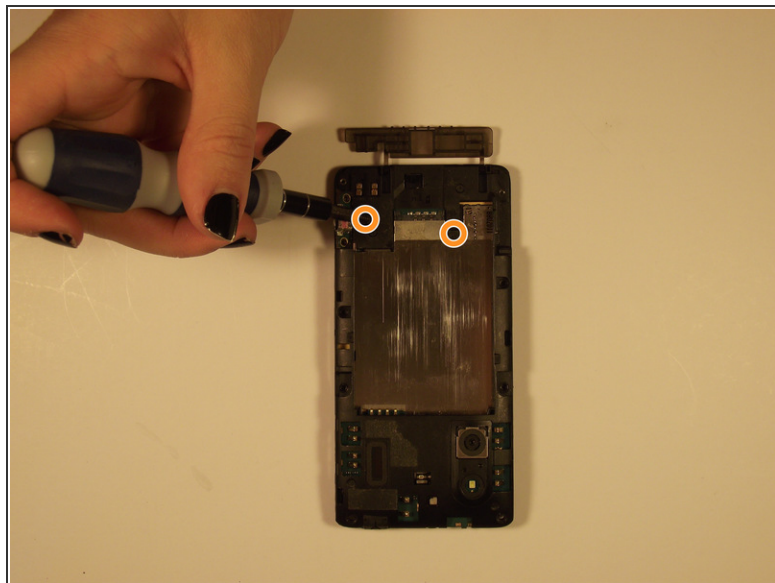
- Remove the two Phillips screws to release the casing above the port
- Remove the top and bottom pairs of Torx screws.
- Remove the middle pair of two Phillips screws.

Step 6 — Removing Casing



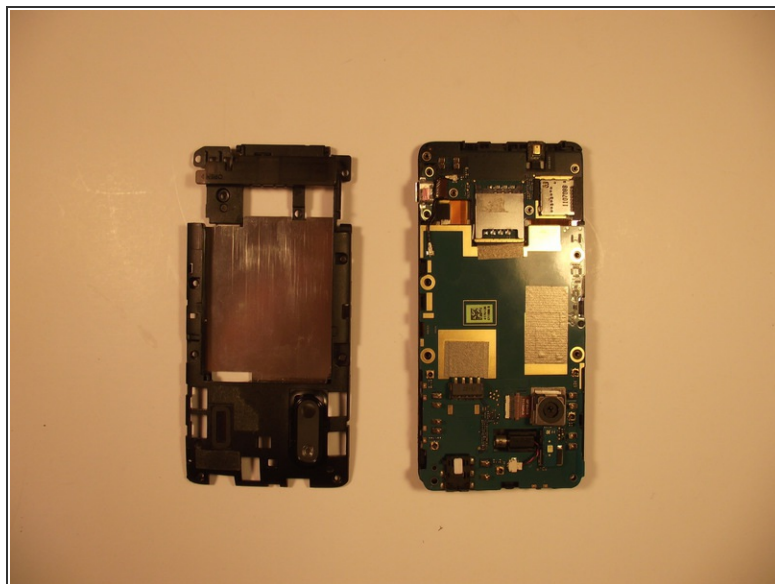
- To remove the remaining cover, lift the side port, which was previously uncovered, then lift the outer shell from the bottom of the phone and slide it forward

Step 7 — Removing Screws Continued



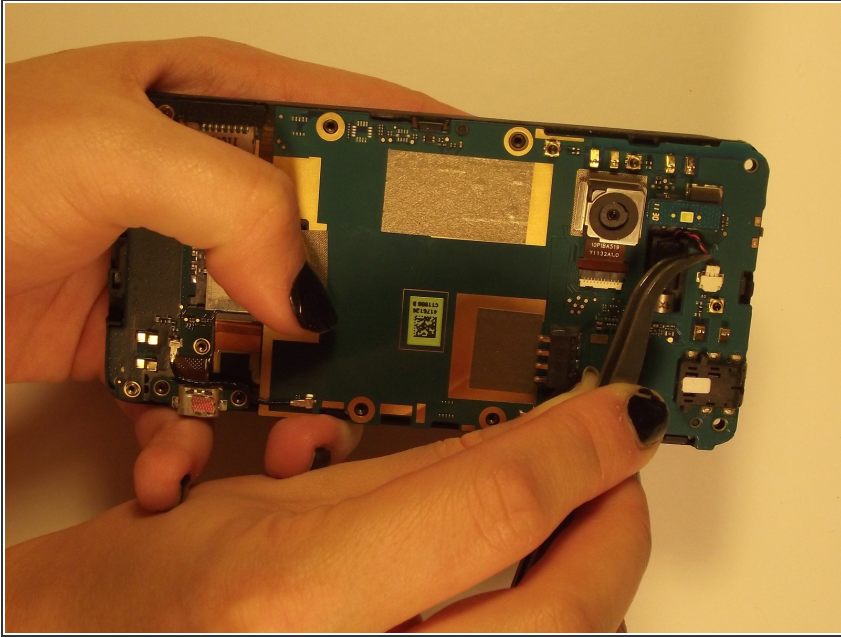
- Remove the two revealed screws on the outside (Torx = red, Phillips = orange), and then remove the two phillips on the bottom of the phone

Step 8 — Removing Rear Housing



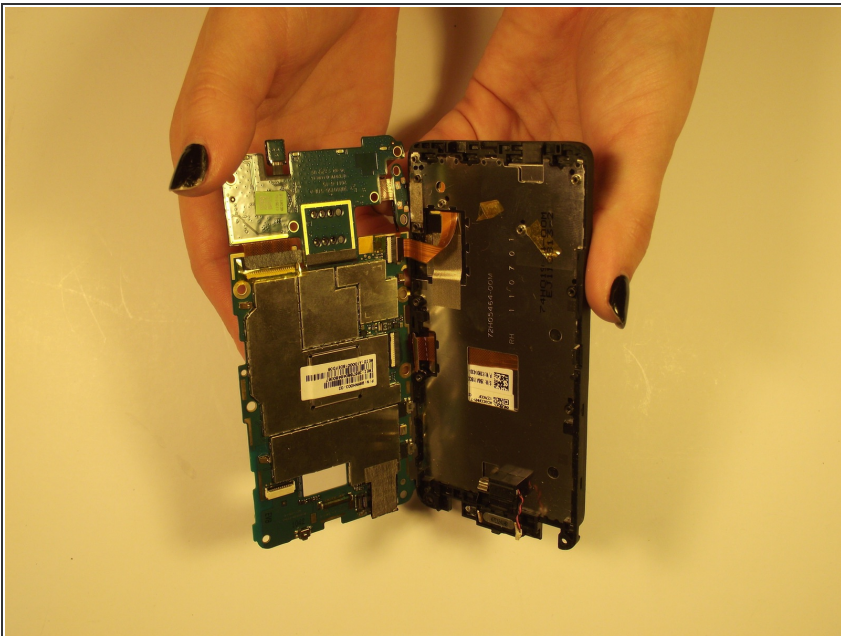
- Remove the rear housing by prying around the edge with your Safety Pry Tool

Step 9 — Pull the Plug



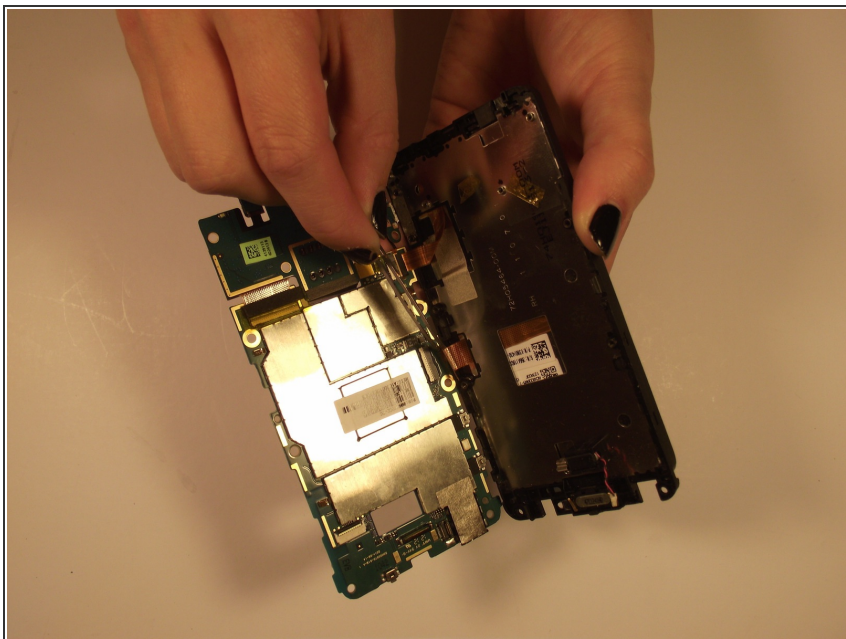
- Unplug the wire connecting the vibrator to the board with your tweezers

Step 10 — Like a Book



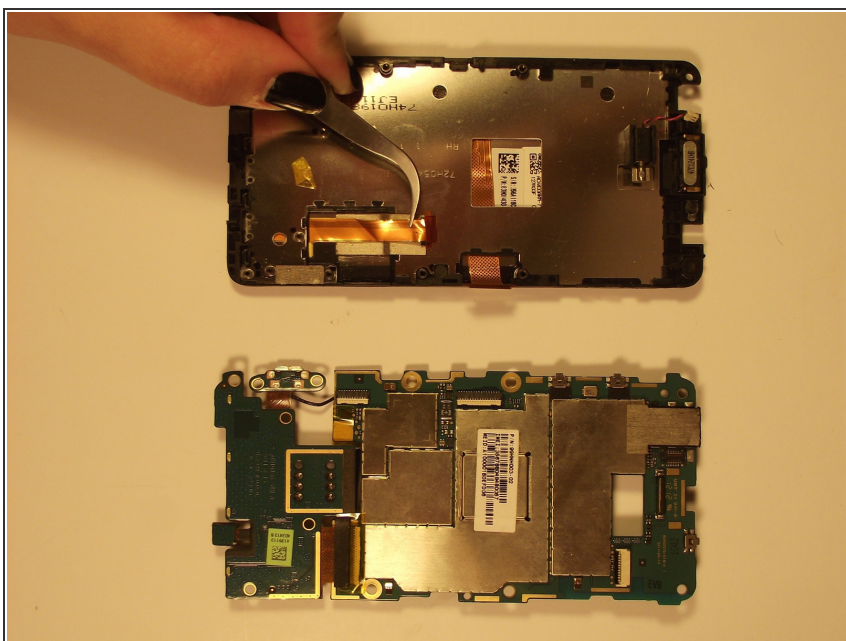
- Unfold motherboard from the screen (open carefully like a book)

Step 11 — Flex Cables



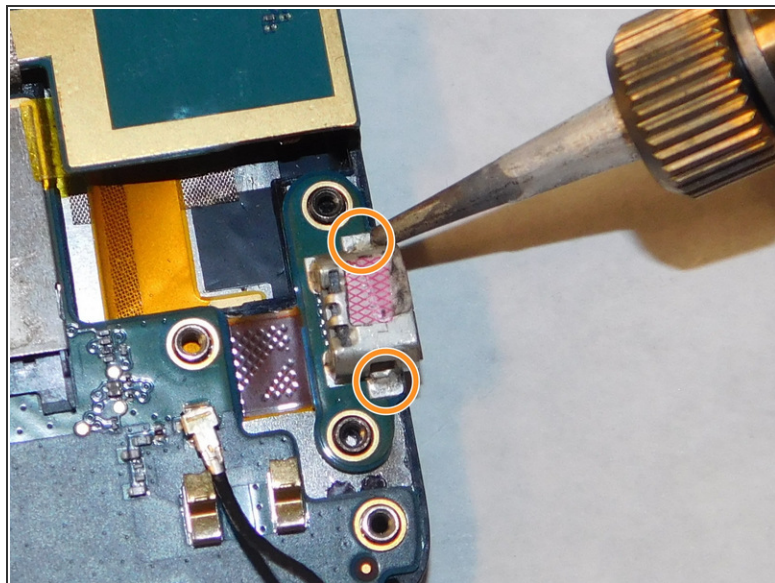
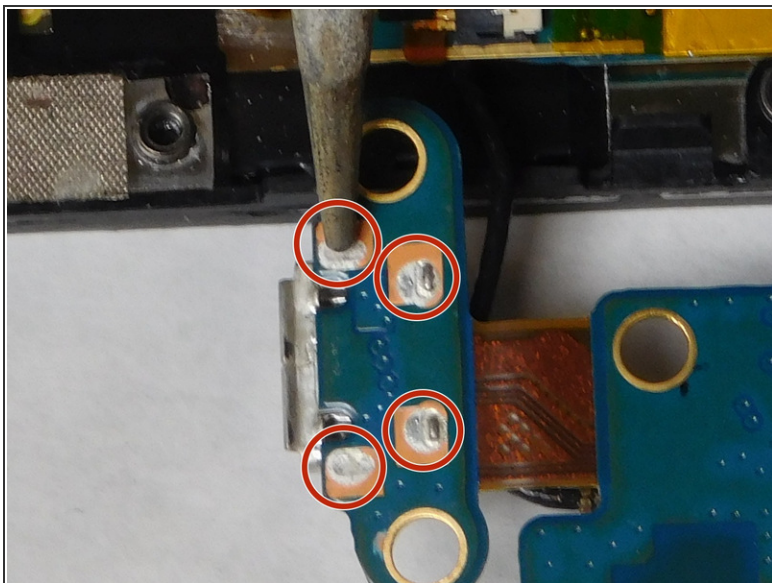
- Disconnect the two aluminum flex cables

Step 12 — Broken Bond



- The flex cables should be the only binding and after being removed should leave you with the separate screen

Step 13 — Charging Port



- Use solder sucker to remove solder from the back of charging port
- Use solder sucker to remove solder from the front of charging port
- There are 2 soldering locations from the top view and 4 locations from the bottom view
- ⓘ Refer to the [How To Solder and Desolder Connections](#) guide if needed.
- ⚠ Solder sucker will be very hot

To reassemble your device, follow these instructions in reverse order.

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